RICOH
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Projectors

PJ X3340 / PJ WX3340
PJ WX3340N

Desk Edge projectors for better meetings

Brightness	Connectivity	Display Colours
3000 lumens	HDMI	1,073 million

Ricoh Desk Edge projectors:
a new concept in business presentations

Topsy-turvy or back-to-front. However you describe the Ricoh PJ X3340 series, the message is clear: Ricoh ‘Desk Edge’ projectors aren’t like other models. Instead, they offer customers something different and new.

At first glance, you might struggle to spot what makes them so special. But only because we tend not to notice what we can’t see or hear or feel.

What is obvious is an impressively short throw distance and outstanding image quality. Being able to place a projector on the table edge closest to the screen has big benefits. It frees up space; eliminates lamp glare; and removes the risk of shadows caused by obstructions to the light beam.

Needless to say, we didn’t stop there. In a break with tradition, we moved all interfaces and vents from the back of the projector to the front: out of sight and out of mind. The result is a neater, quieter, cooler environment where the focus is entirely on the message not the medium.

Tidy desk, tidy mind

The ‘back-to-front’ design of the PJ X3340 series makes meetings, neater, less obtrusive and more productive.

Better meetings

An uninterrupted view

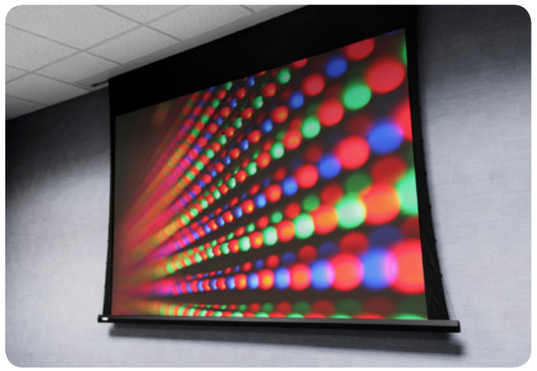
The PJ X3340 series is designed to be placed right at the front of a meeting room table. Able to display 80-inch images from just 1.6 metres away (with WXGA models), the projectors are perfect even for small meeting rooms. Front edge projection means you don’t have to worry about lamp glare or the shadows cast by bottles, notebook screens or presenters.

Cool and quiet operation

Heat and fan noise generated by projectors can be a problem in meetings. Unless you have a Ricoh Desk Edge projector. Because the vents on our devices are positioned at the front rather than the side, hot air and noise is blown away from the table. Not into people’s faces.

Clutter-free meetings

Positioning interfaces on the front of the projector won’t get rid of wires completely. But it does let you keep them out of sight, as power and PC cables can be routed around a table rather than across its surface. This arrangement is neater and keeps the table clear for notebooks and tablets.



Automatic brightness control

This clever feature automatically adjusts image brightness as light levels in a room change. In this way, it optimises image quality at all times and helps prolong lamp life. Because the projectors do everything automatically, presenters have one less thing to think about.

Leading from the front

With three models in the range, the PJ X3340 series has a model for every requirement.

Every aspect of the PJ X3340 series is designed to make meetings more productive. In addition to the benefits of table front operation, the projectors offer outstanding image quality and ease of use.

The combination of 3000 lumens output and a short throw distance make the projectors suitable for all meeting rooms, from the smallest to the brightest. Models with wired and wireless networking add even more flexibility.

So that they continue to meet your evolving needs, the projectors are 3D-ready and support interactive presentations. Ricoh's optional Interactive kit turns the projection surface into an interactive whiteboard for enhanced collaboration.

Operation and set-up is quick and easy. Images are automatically adjusted to remove any distortion and optimised to suit ambient light levels and the colour of the projection surface. There is even a built-in timer to ensure presentations don't over-run.

PJ X3340: Standard

RESOLUTION 1024 X 768

CONTRAST RATIO 5000:1

SCREEN SIZE 30-200"

ZOOM 1.5

PJ WX3340: Widescreen

All the benefits of the PJ X3340 plus:

RESOLUTION 1280 x 800

SCREEN SIZE 40-240"

PJ WX3340N: Network-ready

All the benefits of the PJ WX3340 plus:

NETWORK Wireless

USB PC-free

Auto Focus

Standard Features

Desk Edge design

Wide zoom
The PJ X3340 series can project an 80-inch image from within two metres of the projection surface. This lets you position them at the front of a meeting room table for improved comfort and still enjoy big screen presentations. Even in small meeting rooms.

Rear front design
Ricoh's unique 'rear-front' design maximises the benefits of table front operation by placing interfaces and vents on the front of the projector. This keeps the tabletop clear of cables and improves comfort, as fan noise and hot air is directed away from the table.

Auto image optimisation

Automatic brightness control
Another Ricoh innovation, Automatic Brightness Control optimises image quality whatever the lighting conditions. Adjusting brightness in line with changing light levels can also extend lamp life and reduce carbon emissions.

Automatic keystone correction
Any distortion caused by projecting at an angle to the screen is corrected automatically.

Eco-efficiency

Standby mode
Standby mode reduces power consumption to less than 0.28W for lower energy bills.

Eco mode
Users can make further savings by selecting Eco Mode to lower lamp brightness. This reduces energy consumption and can extend lamp life by up to 40%, from 3,500 to 5,000 hours.

Carbon meter
A useful meter helps businesses track and record carbon emissions related to projector use.

Security built-in

Password protection & key lock
The projector can be protected with a password to restrict access and prevent unauthorised use. A useful key lock function prevents mistakes while operating the projector.

Kensington lock and security bar
An integrated Kensington lock and security bar help prevent the removal and theft of devices.

Integrated features

Integrated speaker
Built-in 10 watt speakers provide crisp clear audio and remove the need for additional audio equipment.

Presentation Timer
A digital timer ensures presentations don't over-run. It can be displayed discretely in the corner during a presentation or full-screen during Q&A.

Wall colour correction
The PJ X3340 series can adjust the colour of a projected image to compensate for the projection surface used, such as a whiteboard, blackboard or coloured wall.

User logo function
The ability to display a company logo when the projector starts up or when there is no signal demonstrates ownership and creates a more welcoming environment.

Future-proof

3D-ready
3D presentations can be viewed using optional PJ 3D glasses.

Interactive kit
The DLP chip used in PJ X3340 series projectors is interactive-ready. All you need to convert a projection screen, or even a bare wall, into an interactive whiteboard is Ricoh's optional Interactive kit.

Complete control: The PJ WX3340N

The top of the range PJ WX3340N combines widescreen presentations with wired and wireless network connectivity, the convenience of PC-free presentations and superior device management.

Network connectivity

The PJ WX3340N has wired and wireless network connectivity built-in, giving users more control and greater flexibility in how presentations are delivered, plus the freedom of wireless operation.

Users can send presentations to a projector across a wired or wireless network. For wireless operation, they can either communicate with the projector via a wireless router or hub (Infrastructure Communication Mode) or directly with the device (Adhoc Communication Mode). In this way you can enjoy wireless connectivity even if there is no LAN access point in the conference or meeting room.

A projector server lets you send the same content from one PC to four projectors on the network.

Easy set-up & use

A downloadable network utility simplifies wireless set-up. To connect a computer and projector, all you need to do is load the program and enter a pass code. You don't even need to choose between Adhoc or Infrastructure mode: it's all done automatically.

Ease of use is enhanced with a time-saving Auto focus feature unique to the PJ WX3340N. Place the projector on the edge of the table and it will focus itself automatically. It's that simple.

PC-free presentations

The PJ WX3340N incorporates a USB port for PC-free slideshows, with thumbnail previews for easy content selection.

The feature works with USB memory devices and Ricoh or Pentax digital cameras and supports JPEG and MPEG2 formats for still and moving images. Ricoh software can be used to save Microsoft PowerPoint slides as JPEGs.

Projector management

PJLink Projector Utility
Utility software supplied with the PJ WX3340N let you manage multiple projectors on a network and includes the ability to apply LAN settings and turn devices on and off remotely. Because the software is compatible with PJ Link, a standardised open protocol established by the Japan Business Machine and Information System Industries Association (JBMIA), you can also control other brands of network projector.

@Remote compatibility
To ensure the smooth running of projectors, the @ Remote remote diagnostics service monitors network projectors remotely over the internet providing operating status reports.

This service is not available in some countries.

iPad Integration with Ricoh Smart Presenter
Ricoh Smart Presenter is a free software app that lets you use an iPad to control a presentation and share PDF material.

At its simplest, Ricoh Smart Presenter lets you take advantage of the wireless connection between a PJ WX3340N and iPad to deliver a PDF presentation without the complication of cables. Alternatively, a connection can be made using a VGA cable.

Added flexibility

Turn your projection surface into an interactive whiteboard with the Ricoh PJ Interactive Kit.

The DLP chips used in Ricoh PJ X3340 series projectors incorporate new technology from Texas Instruments that lets you use a digital pen to interact with projected images. You can use the pen like a mouse to control applications, scroll, point and click; or to draw and write on presentations or blank pages. Notes can be erased with the pen, deleted, printed or saved.

The interactive capability can be activated whenever you wish. All that's needed is the optional Interactive Kit from Ricoh. This includes wireless modules for the PC and projector, drawing software and a battery-powered digital pen.

The kit is as easy to use as you could hope. With wireless communication between the pen and computer, just one cable is needed to link the notebook to the projector. No calibration is required, even if you move the projector to a different room. And the pen can be used to write directly on the screen or remotely.

Specifications:

		PJ X3340	PJ WX3340	PJ WX3340N
Projection system		Single chip DLP		
	pixels	786,432 1024×768	1,024,000 (1280×800)	
	Panel size	0.55 inch	0.65 inch	
	Aspect	4:3	16:10	
	Analog RGB signal Real	XGA (1024×768), SVGA (800×600), VGA (640×480)	WXGA (1280×800), XGA (1024×768), SVGA (800×600), VGA (640×480)	
	Analog RGB signal Compression	UXGA (1600×1200), SXGA (1280×1024), WXGA (1280×800)	UXGA (1600×1200), SXGA (1280×1024)	
	Input signal	NTSC,PAL,SECAM,PAL-M,PAL-60,NTSC4.43,60Hz (Mono),50Hz (Mono)		
	Analog RGB frequency (Horizontal)	15-100 Hz		
	Analog RGB frequency (Vartical)	23-85Hz		
Lamp		High-Pressure mercury lamp 230W		
Lamp life /(Eco)		3500/ (5000)		
Projection screen size		30-200 inch	40-240 inch	
Projection distance		0.68-7.2 m	0.77-7.33 m	
Speaker		10W mono		
Connection terminal	Computer 1 IN	Mini D-SUB15pin x 1		
	Computer 2 IN (Monitor IN / OUT)	Mini D-SUB15pin x 1		
	Video	RCA_1pin x 1		
	Audio IN	Mini Jack x 1		
	Audio OUT	Mini Jack x 1		
	Control (Sirial)	USB-TYPE-minB x1		
	HDMI	HDMI x 1		
	USB	N/A		TYPE-A x 1
	LAN	N/A		RJ-45 x 1 (Compatible with 10BASE-T/100BASE-TX/1000BASE-T)
	Wireless LAN	N/A		Compatible with IEEE 802.11a/b/g/n
Mainframe Color		Intelligent gray, Piano black		
Resolution		1024x768 (XGA)	1280 x 800 (WXGA)	
Color reproducibility		1,073,000,000		
Brightness		3,000 lm		
Contrast ratio		5000:1		
Focus		Manual		Auto
Zoom ratio		1.5		
External dimensions (WxDxH) - Excluding protruding parts		297×235×100		
Weight		3.0 kg		3.1 kg
Conditions for usage environment		Temp: 5°C to 35°C, Relative humidity: 30% to 70%		
Power source		100-240V 50/60HZ		
Exhaust vent		Front		
Projector mode		Standard, Rear, Ceiling, Rear ceiling		
High atitude mode		Under 2500 meters (Other region) - Under 2000 meters (China)		
Adjuster		Front :2 (Adjustable) Rear:1 (Fix)		
Major function		AV Mute (Blank), Freeze, Re-size (Magnify), Auto keystone, Digital zoom (Reduction), Password protection, Wall Color Mode, Key lock, Security bar, Kensington lock, User logo, Eco mode, Automatic brightness control, Carbon meter, Closed captioning, Color Universal Design, 3D projection (Ready), Presentation timer, Interactive ready (Point blank)		
	Multi screen (1 PC to 4 projectors)	N/A		Yes
	Projector management	N/A		Yes
	Projection Server	N/A		Yes
	Digital Camera (Ricoh & PENTAX)	N/A		Yes
	@Remote	N/A		Yes
	PJ link	N/A		Yes
PC free presentation	Slide show	N/A		Still image/Animation
	Thumbnail	N/A		Yes
	Compatible format for USB memory	N/A		JPEG, MPEG2
	File extension for USB memory	N/A		[.jpg], [.JPG], [.jpeg], [.mpeg], [.MPEG], [mpg], [MPG], [m2ts], [m2t], [M2TS], [M2T]
Wireless LAN	Infrastructure mode	N/A		Yes
	Ad-hoc mode	N/A		Yes
	Network authentication	N/A		WPA-PSK, WPA2-PSK
	Network encryption	N/A		WEP, TKIP, CCMP (AES)
Supported OS	Network Utility software	N/A		WindowsXP SP3 (Home/Professional), Windows Vista SP2 (Ultimate/Business/HomePremium/HomeBasic) 32bit/64bit, Windows7 (Ultimate/Enterprise/Professional/Home Premium) 32bit/64bit Windows8 (Pro) 32bit/ 64bit Mac OS X (10.6-10.8)
	JPEG conversion software	N/A		WindowsXP SP3 (Home/Professional) Windows Vista SP2 (Ultimate/Business/HomePremium/HomeBasic) 32bit/64bit Windows 7 (Ultimate/Enterprise/Professional/Home Premium) 32bit/64bit Windows 8 (Pro) 32bit/64bit
	Projector Management Utility	N/A		WindowsXP SP3 (Home/Professional) Windows Vista (Ultimate/Business/HomePremium/HomeBasic) 32bit/64bit Windows 7 (Ultimate/Enterprise/Professional/HomePremium) 32bit/64bit Windows Server 2008/2008R2 32bit/64bit Windows 8 (Pro) 32bit/64bit
	Intaractive software	N/A		WindowsXP SP3 (Home/Professional), Windows7 SP1 (Ultimate/Enterprise/Professional/HomePremium) 32bit/64bit

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www.ricoh-europe.com/products/projectors